

CLAIMS

What is claimed is:

1. An LCD with a high temperature shut-off for an LCD heater to protect against run-away heating, comprising:

a main heater controller adapted to control operation of the LCD heater; and

a temperature controlled override switch adapted to disable the LCD heater, independent of the main heater controller, upon a temperature reaching a shut-off temperature; and

a housing surrounding an LCD panel and the LCD heater, and wherein the temperature controlled switch is located within a cavity of the housing, the cavity being adapted to transfer heat emanating from the LCD panel, the LCD heater, or both, to the temperature controlled switch, wherein the housing has a vent system for the cavity.

2. An LCD according to Claim 1, wherein the housing has a slant portion slanted with respect to a vertical direction so that the heat is efficiently emanated from the LCD panel, the LCD heater, or both, to the temperature controlled switch.

3. An LCD according to Claim 2, wherein the housing further has a portion slanted in a direction different from that of said slant portion.

4. An LCD according to Claim 1, wherein the housing has a front-slant portion slanted toward a front portion of the liquid crystal display panel and a side-slant portion slanted toward a side portion of the liquid crystal display panel.

5. An LCD according to Claim 1, further comprising a circuit board on which said temperature controlled switch is mounted, and a light emitted diode portion is formed, wherein said housing is attached to the circuit board at one end and covers the LCD panel at the other end.

6. An LCD according to Claim 5, wherein said housing has a slant portion slanted from a portion close to the temperature controlled switch to the one end.

7. An LCD according to Claim 6, wherein said the housing further has a portion slanted in a direction different from that of said slant portion.

8. An LCD according to Claim 5, wherein the housing has a front-slant portion slanted toward a front portion of the liquid crystal display panel and a side-slant portion slanted toward a side portion of the liquid crystal display panel.